

FRACTIONAL HORSEPOWER MOTORS



Check these points

- ✓ EXAMINE the motor to see that it has not been damaged in shipment
- ✓ CHECK line voltage with nameplate rating
- ✓ CONNECT the motor as shown inside this folder or as shown on inside of terminal box cover
- ✓ CHECK rotation under no-load conditions

Thank you for buying this motor manufactured by

CANADIAN GENERAL ELECTRIC COMPANY LIMITED
PETERBOROUGH, ONTARIO

102A3756

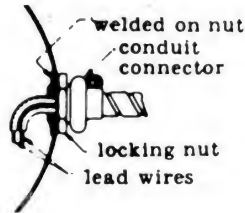
PGEI-1254AL

INSTALLATION AND MAINTENANCE INSTRUCTIONS

POWER SUPPLY AND CONNECTIONS

1. The motor must be connected to a power supply corresponding to the voltage and frequency rating shown on the motor nameplate. Connect the power supply to the motor terminals, as shown on the appropriate connection diagram. The diagrams only cover standard single and dual voltage, single speed motors. All motors with the exception of single voltage, single speed, have a connection diagram fastened to the inside of the motor terminal box cover, which should be used for connecting the motor.

2. If the wires connecting power to the motor are passed through conduit, use the speed nut welded inside the motor shell for fast attachment of conduit connectors from outside the motor. Use a screwdriver to pry out conduit opening plug.



3. Wiring should be done in accordance with the electrical code which governs local wiring.

GROUNDING

Both your CGE motor and the equipment or apparatus to which it is connected should be grounded as a precaution against the possibility of electrical shock. Ground your motor by running a copper grounding wire from the motor to a water pipe or other recognized grounding electrode as instructed in your electrical wiring code. Remove paint from points of connection to assure positive electrical contact. As a special feature, CGE motors have a built-in grounding lug, located in the connection box for convenient connection of the grounding wire to the motor.

CARE

If the motor is belted to its load, use a light flexible belt tightened just enough to prevent slipping. Keep the motor clean and dry.

LUBRICATION

Sleeve bearing motors are designed for horizontal shaft mounting, with

oil holes or hinged lid oilers. For normal service, re-oil with a good grade of machine oil SAE 20, when motor is put in service, and after each 5,000 hours of operation thereafter. For special severe conditions consult the Canadian General Electric Company Limited.

Motors having ball bearings are packed with grease sufficient for about ten years of normal service. To regrease, dismantle the motor and clean out the old grease from the bearing and housing. Pack the spaces between the balls and the cages of the bearing with new grease. Fill the bearing housing half full of grease.

CGE long-life grease GE6298 is recommended for all applications except extreme moisture. For extreme moisture conditions, such as outdoor service, CGE water resistant 4739 grease is recommended.

BUILT-IN MOTOR PROTECTOR

When motor is equipped with a Thermal Overload Protector it is protected from overheating. If the motor stops for other than normal reasons it may be due to the operation of the protector. Motors equipped with manual re-set protectors can be restarted by pushing the red button on the end-shield or stator shell, after the motor cools. Motors equipped with automatic protectors will start automatically, after the motor cools.

SERVICE

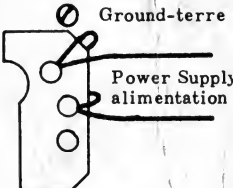
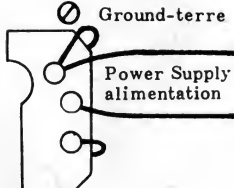
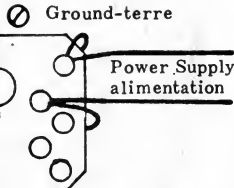
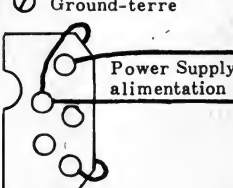
Your CGE motor should be serviced only by qualified persons who have the proper tools and equipment. Fast, dependable in-warranty and out-of-warranty service for your motor can be obtained from any of the Canadian General Electric authorized Small Motors Service Stations.

RENEWAL PARTS

Use only genuine CGE Renewal Parts.

1. When ordering be sure to specify model number and complete nameplate data. Also describe the part and specify quantity required.
2. For information and service refer to your nearest CGE authorized Small Motors Service Station or CGE Sales Office.

CONNECTION DIAGRAMS—SINGLE PHASE MOTORS—TYPE KH & KC **SCHEMAS DE BRANCHEMENT—MOTEURS MONOPHASÉS—MODELES KH & KC**

FRAME 30 SERIES All frame series beginning with digit 3			SÉRIE DE BÂTIS-30 tous les numéros de série des bâtis commencent par 3	FRAME 40 SERIES All frame series beginning with digit 4 or 5			SÉRIE DE BÂTIS-40 tous les numéros de série des bâtis commencent par 4 ou 5
Single Voltage Tension unique	No Protector Pas de protection	With Thermal Protector Protection thermique	Reverse rotation by interchanging the two leads from motor windings Changez le sens de rotation en inversant les deux conducteurs du bobinage du moteur	Single Voltage Tension unique	No Protector Pas de protection	With Thermal Protector Protection thermique	Reverse rotation by interchanging the two leads from motor windings Changez le sens de rotation en inversant les deux conducteurs du bobinage du moteur
							
Dual Voltage Double tensions	115 VOLTS Ground-terre White-blanc Power Supply alimentation Red-rouge Orange Black-noir	115 VOLTS Ground-terre White-blanc Power Supply alimentation Black-noir Red-rouge Orange	Counter clockwise rotation shown Reverse rotation by interchanging red and black leads Rotation donnée dans le sens inverse des aiguilles d'une montre Changez le sens de rotation en inversant les conducteurs rouge et noir	Dual Voltage Double tensions	115 VOLTS Ground-terre Red-rouge Orange Power Supply alimentation White-blanc Black-noir	115 VOLTS Ground-terre White-blanc Power Supply alimentation Red-rouge Orange Black-noir	Counter clockwise rotation shown Reverse rotation by interchanging red and black leads Rotation donnée dans le sens inverse des aiguilles d'une montre Changez le sens de rotation en inversant les conducteurs rouge et noir
	230 VOLTS Ground-terre Power Supply alimentation Black-noir Red-rouge Orange White-blanc	230 VOLTS Ground-terre Power Supply alimentation Black-noir Red-rouge Orange White-blanc			230 VOLTS Ground-terre Power Supply alimentation Red-rouge Orange White-blanc Black-noir	230 VOLTS Ground-terre Power Supply alimentation Red-rouge Orange White-blanc Black-noir	

On Type K or KR Polyphase Motors, to reverse rotation, interchange any two power supply line leads.
 Sur les moteurs polyphasés, modèles K ou KR, pour changer le sens de rotation,
 interchangez deux conducteurs quelconques des lignes d'alimentation.

CANADIAN GENERAL ELECTRIC *Authorized* SMALL MOTOR SERVICE STATIONS

These service shops are fully equipped and well qualified to provide, at reasonable rates, prompt and effective repair service, either within or beyond the warranty period. Users are, therefore, advised to have such repair work done only at C.G.E. Authorized F.H.P. Motor Service Shops.

STATIONS DE SERVICE POUR MOTEURS DE PETITE PUISSANCE reconnues PAR LA COMPAGNIE CANADIAN GENERAL ELECTRIC

Ces ateliers de réparation sont entièrement équipés et qualifiés pour assurer des réparations efficaces, rapides et à des prix raisonnables pendant ou après la durée de la garantie. Les clients sont donc avertis que leurs réparations doivent être faites uniquement dans les stations de service pour moteurs de petite puissance reconnues par C.G.E.

EASTERN PROVINCES

Bathurst, N.B.
Charlottetown, PEI
Digby, N.S.
Fredericton, N.B.
Halifax, N.S.
Moncton, N.B.
St. John, N.B.
St. John's Nfld.
Sydney, N.S.
Truro, N.S.
Wolfville, N.S.

Montreal Armature Works
Palmer Electric
Clare Elec. Motor Repair
Electric Motor Service
Nova Scotia Armature Works
R.K. Buzzell Ltd.
John A. Kennedy & Co. Ltd.
Powerlite Electric Ltd.
D.D. MacEachern
Smith Electric
Industrial Electrics

450 Main St.
94-100 Fitzroy St.
St. Bernard
129 Westmbrland St.
2453 James St.
65 Pacific Ave.
181 Rothesay Ave.
408 Water St.
138 Prince St.
28 Mill St.
Box 680 Greenwich

QUEBEC

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Cowansville

Drummondville
Farnham
Gatineau
Granby
Iberville
Lachute
L'Islet
Longueuil
Montreal
Montreal
Montreal
Montreal
Quebec City
Quebec City
Rimouski
Riviere Du Loup
Rouyn
Sept Iles
Shawinigan
Sherbrooke
St. Gabriel de Brandon
St. Georges de Beauce
St. Hyacinthe
St. Marc Des Carriers
Ste Agathe
Thetford Mines
Trois Rivières
Valleyfield
Victoriaville

Les Entreprises El. Gilbert
Les Reparations De Moteurs
Electrique De Cowansville
J.R. Morin
Meunier Electrique
Michel Themelis
Donat Rivard
Refrige Mtr Elec. Enr.
Fermini Motor Repair
Gaudreau Equipment El. Enr.
Roy Electric
Excel Electric
Laval Electric
Lesage Electric
Snowdon Elec. Mtr. Repair
Electro Mechanic
Hector Roberge Inc.
Belanger & Fils Enr.
Magella Vaillancourt Elec.
T.V. & Motors Ltd.
Woods Electrical Equip.
P.M. Moteur Electrique
Do Mar Electrique Inc.
Reparation A.R. (Enrg.)
St. Georges Auto Elec. Inc.
Messier Electrique Enr.
J.R. Perreault & Fils Ltee.
Parent & Fils Electric
Thetford Armature Works
"M" Electrique
J.H. Sauve & Fils
Bail Electrique Enr.

252 Begin St.
120 Oliver
278 Notre Dame
354 St. Vincent N.
561 Blvd. Maloney
5 Chemin Martin
575 Rue Riendeau
485 Rue Robert
Route 132
90 Ste. Foy Suite 1
975 Jean Talon W.
9390 Charles de Latour
3391 Hochelaga
5160 Arnoldi St.
445 Marconi St.
1505 Provinciale
516 Tessier St.
82 Rue St. Cyrille
340 Avenue Lariviere
360 Marquette Ave.
1190 Blvd. Industriel
1500 - 5th Rang
230 Rue Du Golf
2331 Dessaulles
561 Principale St.
17 St. Henri St. E.
240 Blvd. Smith N.
1330 Cartier St.
238 Rue St. Laurent
444 Cantin St.

ONTARIO

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Brockville
Chatham
Cornwall
Elliot Lake
Fordwich
Guelph
Hamilton
Hamilton
Hanover
Huntsville
Kingston
Kitchener
Leamington
Lindsay
London
Midland

Wallwin Electric
E.M.S.C.O.
Holt Electric
Greenwood Electric
Chandler Electric
Surgeon & Son
Northern Armature Works
John Wilson Electric
Harlock Schultz Electric
Burley Electric
E.M.S.
Fischer & Harris
Ross Electric
Keith Hay Electric
Sutherland Schultz Electric
A.C. Fox & Co. Ltd.
Jordan's Electric
Toll Morris Electric
Rene Electric

50 Innisfil St.
57 Cannifton Rd.
21 Lundy's Lane
R.R. #4
50 Richmond St.
1730 Pitt St.
Box 15, Perini Rd.
Box 92
9 Nottingham St.
1844 Brampton St.
192 Cannon St. E.
245 - 10th St.
Hilltop Drive
501 Frontenac St.
859 Courtland Ave. E.
Oak St. West
4 Durham St.
287 Adelaide St. S.
Box 30 Everton Rd.

ONTARIO (cont'd)

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Oakville
Orillia
Oshawa
Ottawa
Ottawa
Owen Sound
Pembroke
Peterborough
Peterborough
Richmond Hill
Sarnia
Sault Ste. Marie
Simcoe
Stratford
St. Catharines
St. Catharines
St. Thomas
Sudbury
Sudbury
Thunder Bay "F"
Thunder Bay
Timmins
Toronto
Toronto
Toronto
Vineland
Windsor
Woodstock

A & S Electric Mtr. Service
Service Electric Ltd.
Naylor Electric Service
Orser Electric Ltd.
Frank Sullivan & Assoc.
C.C.B.
E.M.S. Electrical Ltd.
Kieth's Electric Mtr. Service
Valley Elec. Mtr. Service
Dependable Elec. Mtr. Ser.
Larry Electric Mtr. Ser.
C.A.F. Electric
Delta Elec. Mtr. Ser.
Quality Electric
Gauld Elec. & Mtr. Ser.
Henning Electric
Blenkhorn & Sawle
Kaupp Electric
Wilson & Sommerville Ltd.
30 Alder St. S.
C.E.M.C.O.
Mahon Electric
Merse Electric
Gem Electric
Electric Motor Service
J.B. Electric
L.N. Electric
Cyril B. Smith
Moncur Elec. Mtr. Ltd.
Reliable Elec. Sales & Ser.

4528 Bridge St.
Airport Rd. Box 431
1121 Injicta Dr.
301 Forrest Ave.
348 Stephenson Rd. S.
378 Bank St.
1120 Morrison Dr.
1339 - 2nd Ave. E.
200 Nelson St.
861 Webber Dr.
164 Sherbrooke St.
45 Industrial Rd.
177 Samuel St.
62 McNabb St.
57 Pond St.
473 Douro St.
Grankham Rd.
225 Merritt St.
127 Curtis St.
30 Alder St. S.
1275 Kelly Lane Rd.
340 North Waterloo St.
194 South Court St.
151 Wilson Ave.
639 Mt. Pleasant Rd.
223 Oakdale Rd.
960 Alness Ave Unit 14
Box 379
333 Eugenie St.
595 Henry St.

WESTERN PROVINCES

Brandon, Man.
Brandon, Man.
Calgary, Alta.
Calgary, Alta.
Coquitlam, B.C.
Cranbrook, B.C.
Edmonton, Alta.
Edmonton, Alta.
Edmonton, Alta.
Edmonton, Alta.
Grande Prairie, Alta.
Kamloops, B.C.
Kelowna, B.C.
Lethbridge, Alta.
Medicine Hat, Alta.
Moose Jaw, Sask.
Nanaimo, B.C.
Nelson, B.C.
North Battleford, Sask.
Penticton, B.C.
Prince Albert, Sask.
Prince George, B.C.
Prince Rupert, B.C.
Red Deer, Alta.
Regina, Sask.
Regina, Sask.
Saskatoon, Sask.
Saskatoon, Sask.
Swift Current, Sask.
Vancouver, B.C.
Vancouver, B.C.
Victoria, B.C.
Victoria, B.C.
Whitehorse, Yukon
Winnipeg, Man.
Winnipeg, Man.

Harold's Auto Electric
Sharpes Auto Electric
Grover & Longmate Ltd.
Star Electric Ltd.
Ray Fox Elec. Mtr. Ser.
Punch Sales & Service
Custom Mtr. Rewinding Ltd.
Electrical Industries 1962
Electric Motor Service
Scots Electric
Metro Services
Kamloops Elec. Mtr. Sales
Thompson Elec. Mtr. Ser.
Hagen Electric
Acme Electric Mtr. Ser.
Western Elec. Mtr. Ser.
A.C. Elec. Mtr. Ser. Ltd.
Coleman Electric
Refrigeration Sales & Serv.
A.C. Motor Electric
P.A. Electric Ser. Centre
Bater Electric
Rupert Rewind Ltd.
Cormac Auto Elec. Ltd.
Capital Elec. Mtr. Repair
Electric Motor Service
H. Lambert Elec. Co. Ltd.
Industrial Motor Electric
United Motor Electric
Armature Electric Ltd.
Drakes Universal Sales & Ser.
Regal Controls Ltd.
John Stefaniac, Ltd.
Troy Electric
Whitehorse Electric
Luke's Elec. Mtr. & Machy
Kings Electric

362 Pacific Ave.
144-12th St.
339-2nd Ave. W.
3525 - 62 Ave. S.E.
654 Austin Rd.
1716 Cranbrook St. N.
8124 Davies Rd.
Electrical Industries 1962
10136 - 11th St.
10589 - 106th St.
9950 - 75th Ave.
11032 - 100 St.
244 Lorne St.
1090 Richter St.
1202 - 2nd Ave. S.
1102 - 7th Ave. S.E.
240 High St. W.
16 Nicol St.
502 Front St.
10030 Thatcher Ave.
259 East Okanagan Ave.
129 - 16th St. W.
1770B S. Quinn St.
722 - 2nd West.
5301 Gaetz Ave.
1435 Cornwall St.
1234 Scarth St.
114 - 176 Ave. A North
417A - 42nd Ave.
141 - 8th Ave. NW
55 West 8th St.
260 Raymur Ave.
1156 Kingsway
2021 Douglas St.
2333 Government St.
P.O. Box 254
318 Notre Dame Ave.
835 Main St.